[] Yes

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office ATTORNEY DOCKET NO.: 053785-5048 As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ETCHANT AND ARRAY SUBSTRATE HAVING COPPER LINES ETCHED BY THE ETCHANT The specification of which: miached hereto; or was filed as United States application Serial No. _____ on ____ and was amended on _____ (if applicable); or was filed as PCT international application Number _____ on ____ and was amended under PCT Article 19 ____ (if applicable). Thereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. Tacknowledge the duty to disclose to the U.S. Patent and Trademark Office information which is material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56. Thereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent crainventor's certificate or §365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed: PRIOR FOREIGN APPLICATION(S): COUNTRY DATE OF FILING PRIORITY CLAIMED (if PCT, indicate PCT) APPLICATION NUMBER (day, month, year) Korea 2000-79355 20 December 2000 [x] Yos [] Yes [] Yeş

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	Combined De	claration For Patent An	plication and Power o	of Attorney - (Continued)
•			s Reference to PCT In	nternational Applications CKET NO.: 053785-5043
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I hereby claim the benefits under Ti		•	provisional application	on(s) listed below.
	U.S. PROVISION	AL APPLICATIONS		
U.S. PROVISIONAL AP	PLICATION NO.	U.S. FILING DATE		
				1 49
application(s) designating the Unite this application is not disclosed in the Code, \$112. I acknowledge the duty patentability of claims presented in available between the filing date of	hat/those prior application(s) in to disclose to the U.S. Patent at this application in accordance w	the manner provided by nd Trademark Office all vith Title 37, Code of Fe	the first paragraph of information known t deral Regulations, §1	f Title 35, United States to me to be material to the .56 which became
PRIOR U.S. APPLICATIONS OF		PLICATIONS DESIGN		i I
Ú.S. APPLIÇA		•	STATUS (Check On	·
T.S. APPLICATION NO.	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
				1
POWER OF ATTORNEY: As a included in the Customer Number poffice connected therewith, and dis Customer Number: 009629 Direct Telephone Calls To:	provided below to prosecute this	application and to trans	sact all business in the	

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		on and Power of Attorney - (Continued) rence to PCT International Applications ITORNEY DOCKET NO.: 053785-504		
hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are believed to be true; and further that these statements and the like so made are true and that all statements and that the like so made are true and that all statements and the like so made are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and belief are true and that all statements made on information and the like so made are true and that all statements made on information and the like so made are true and that all statements made on information and the like so made are true and that all statements made on information and the like so made are true and that all statements made on information and the like so made are true and the like so made are tr				
FULL NAME OF FIRST INVENTOR	Gyoo-Chul JO			
RESIDENCE & CITIZENSHIP	Gyeonggi-do, Republic of Korea	COUNTRY OF CITIZENSAMP Republic of Korea		
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FIRST INVENTOR'S SIGN	Jo Gy oo Chul	DATE >00/. (2 · (0		
FULL NAME OF SECOND INVENTOR	Ki-Sung CHAE			
RESIDENCE & CYNZENSHIP	Gyeonggi-do, Republic of Korea	COUNTRY OF CITIZENSHIP Republic of Korea		
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SECOND INTUENTORIS ST	CNIATUDE	DATE		

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Listing of Inventors Continued on attached page(s) [] Yes [X] No

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

ATTORNEY DOCKET NO.: 053785-5048

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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The specification of which:			:	
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on(if applica				
any amendment referred to above.	and understand the contents of the ab			
presented in this application in acc	to the U.S. Patent and Trademark Officerance with Title 37, Code of Federa	al Regulations, §1.56.		
or inventor's certificate or §365(a) America listed below and have als application(s) designating at least	efits under Title 35, United States Coof any PCT international application(o identified below any foreign application one country other than the United States eation(s) of which priority is claimed:	 s) designating at least one cour tion(s) for patent or inventor's 	ntry other than the United States of certificate or any PCT international	
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	PRIOR FOREIGN AF	PPLICATION(S):	1	
COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	
Korea	2000-79355	20 December 2000	[x] Yes	
			[] Yes	
			[] Yes	
	· ·		[]Yes	

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	Combined Dec	laration For Patent App (includes	Reference to PCT Int	Attorney - (Continued) ernational Applications) KET NO.: 053785-5043	
hereby claim the benefits under Title	35, United States Code §119(e) of any United States	provisional application	n(s) listed below.	
	U.S. PROVISIONA	AL APPLICATIONS			
U.S. PROVISIONAL APPLICATION NO.		U.S. FILING DATE			
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patenability of claims presented in the available between the filing date of the control of the	he prior application(s) and the I	national or PCT internal	ional filing date of the	s application:	
U.S. APPLICA	U.S. APPLICATIONS		STATUS (Check One)		
LLS. APPLICATION NO.	U.S. FILING DATE	PATENTED	PENDING	ABANDONED	
			,	!	
POWER OF ATTORNEY: As a r	amed inventor. I hereby appoir	or the registered processi	opers of Morgan Tew	is & Bockius LLP	
included in the Customer Number p Time connected therewith, and dire Customer Number: 009629 Direct Telephone Calls To:	rovided below to prosecute this ect that all correspondence be a	application and to tran	sact all business in the	Patent and Trademark	

		Application and Power of Attorney - (Continued les Reference to PCT International Applications ATTORNEY DOCKET NO.: 053785-504
believed to be true; and furth punishable by fine or impriso	ments made herein of my own knowledge are true and that all er that these statements were made with the knowledge that windern, or both, under Section 1001 of Title 18 of the United sevalidity of the application or any patent issuing thereon.	illful false statements and the like so made are
FULL NAME OF FIRST INVENTOR	Gyoo-Chul IO	!
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SECOND INVENTOR'S SIG	SNATURE Ki-Sury CHAE	DATE >00/. /2, //
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Listing of Inventors Continued on attached page(s) [X] No [] Yes